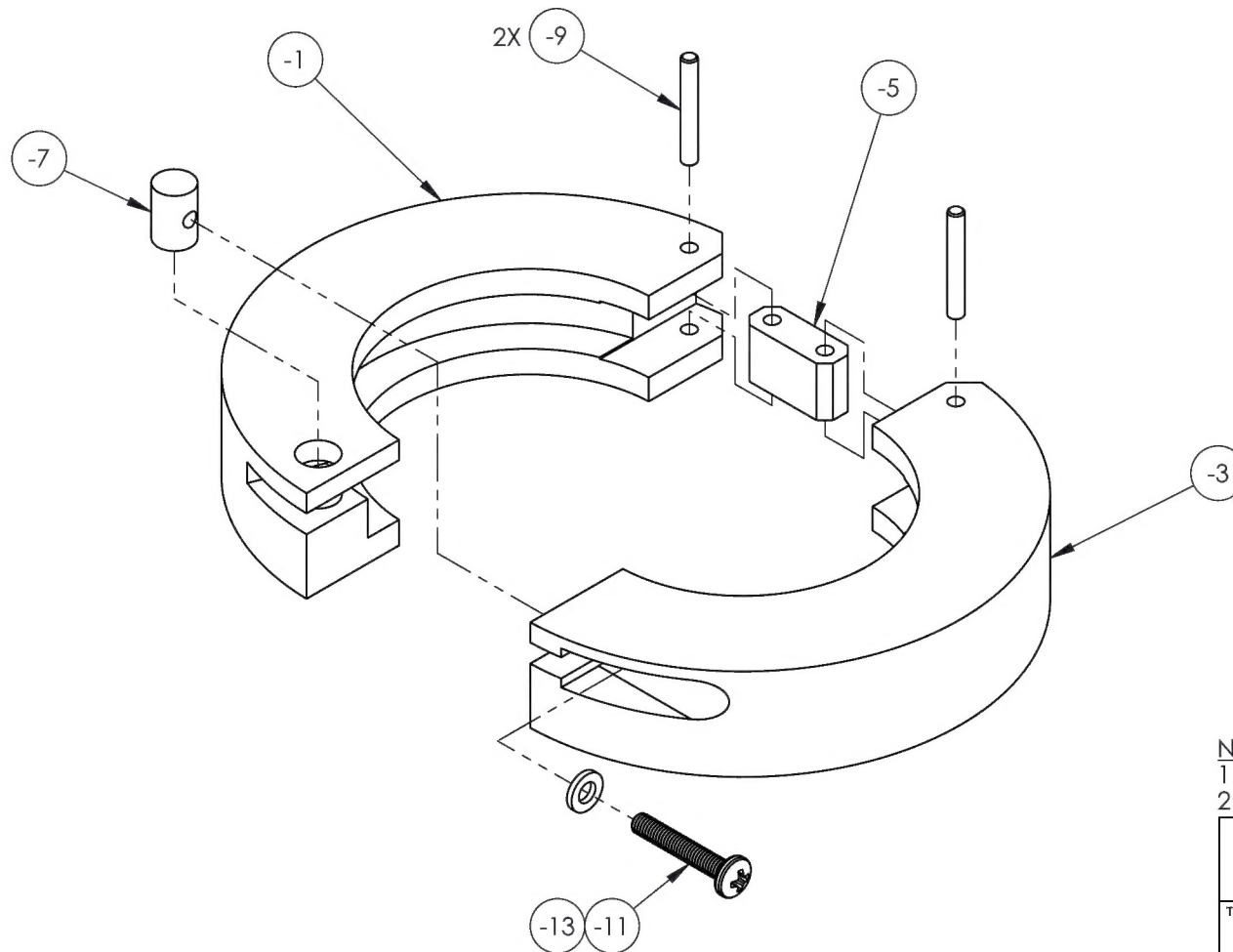


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION	4/22/2016	SM	JAG



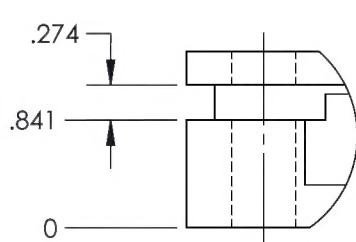
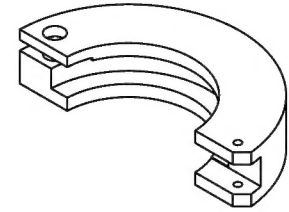
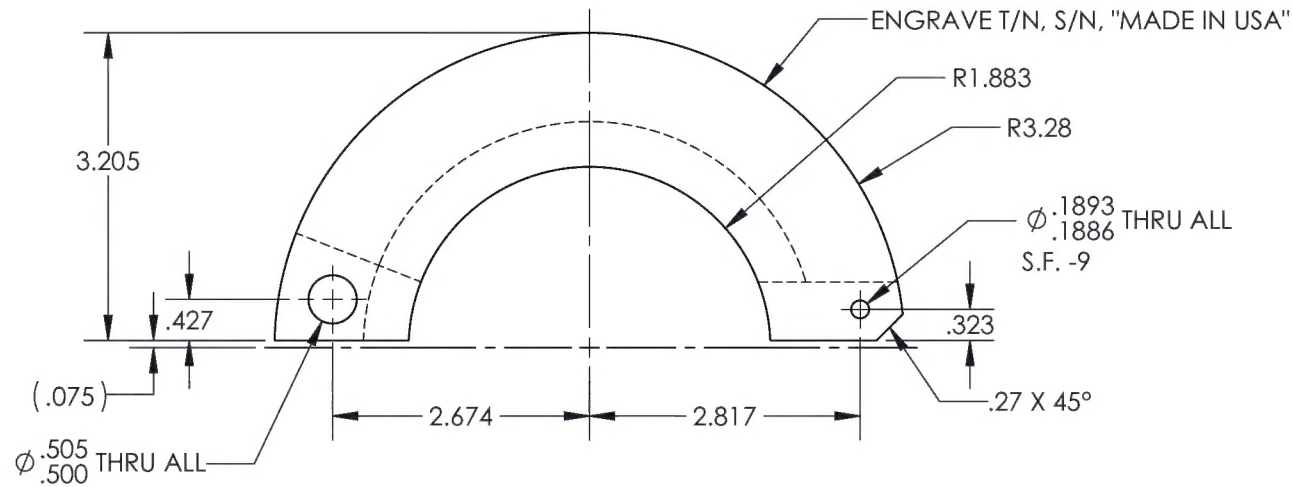
- NOTES:
 1. REF. EUROCOPTER T/N 117-12010W67.
 2. PART OF KIT RBE117-12010W62.

DART AEROSPACE																											
TITLE GUARD																											
DWG NO. RBE117-12010W67	REV 1																										
<table border="1"> <tr> <td>MAT'L</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT TREAT</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH</td> <td>.XXX ± .005 FRACTIONS ± 1/8</td> </tr> <tr> <td></td> <td>.XX ± .01 ANGLES ± 5°</td> </tr> <tr> <td></td> <td>.X ± .1 SURFACES = 125°</td> </tr> <tr> <td>SPEC</td> <td>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</td> </tr> <tr> <td>DRAWN BY: MACKOVJAK</td> <td>2. DIMENSIONAL LIMITS APPLY</td> </tr> <tr> <td>CHECKED: DUERFELDT</td> <td>AFTER PLATING</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> <td>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td>USED ON MODEL</td> </tr> <tr> <td>APPROVED: GILBERT</td> <td>EC 145</td> </tr> <tr> <td>SCALE 1:2</td> <td>DATE 2/23/2016</td> </tr> <tr> <td colspan="2" style="text-align: right;">SHEET 1 OF 5</td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED	HEAT TREAT	DIMENSIONS ARE IN INCHES	FINISH	.XXX ± .005 FRACTIONS ± 1/8		.XX ± .01 ANGLES ± 5°		.X ± .1 SURFACES = 125°	SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	DRAWN BY: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY	CHECKED: DUERFELDT	AFTER PLATING	OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	QA APPR: LINDSAY	USED ON MODEL	APPROVED: GILBERT	EC 145	SCALE 1:2	DATE 2/23/2016	SHEET 1 OF 5	
MAT'L	UNLESS OTHERWISE SPECIFIED																										
HEAT TREAT	DIMENSIONS ARE IN INCHES																										
FINISH	.XXX ± .005 FRACTIONS ± 1/8																										
	.XX ± .01 ANGLES ± 5°																										
	.X ± .1 SURFACES = 125°																										
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R																										
DRAWN BY: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY																										
CHECKED: DUERFELDT	AFTER PLATING																										
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009																										
QA APPR: LINDSAY	USED ON MODEL																										
APPROVED: GILBERT	EC 145																										
SCALE 1:2	DATE 2/23/2016																										
SHEET 1 OF 5																											

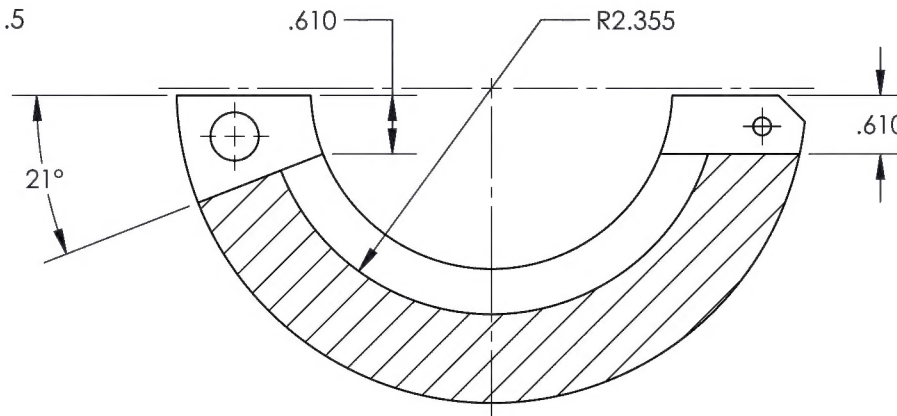
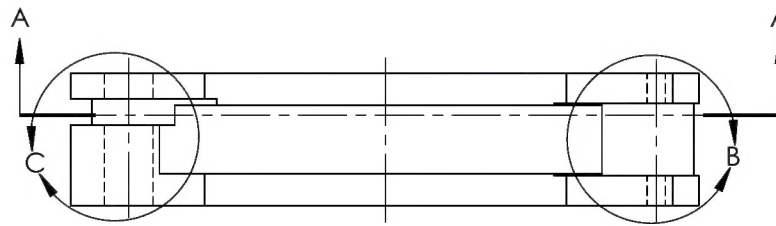
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	RING 1	6061		2
			-3	1	RING 2	6061		3
			-5	1	RING LINK	1018/1020 CR		4
			-7	1	THREADED PIVOT PIN	1018/1020 CR		5
		B/O	-9	2	DOWEL PIN	STEEL	Ø3/16 X 1-3/8 (MCMaster-CARR # 98381A519)	1
		B/O	-11	1	MACHINE SCREW	S.S.	M6 X 1 X 35MM (MCMaster-CARR # 92000A439)	1
		B/O	-13	1	WASHER	S.S.	M6 (MCMaster-CARR # 93475A250)	1

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REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	



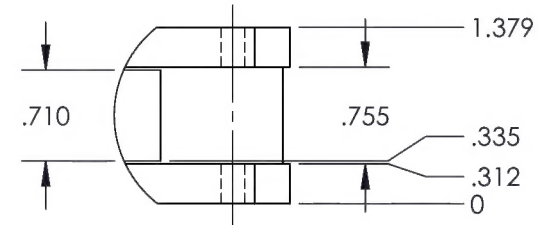
DETAIL C
SCALE 1 : 1.5



SECTION A-A

(-1)

RING 1

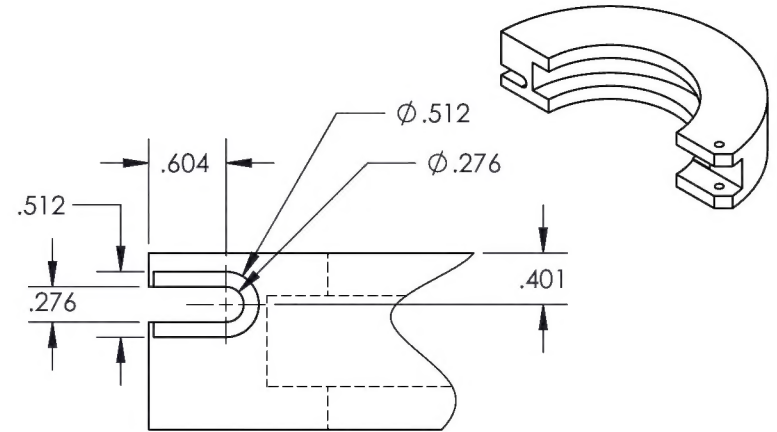
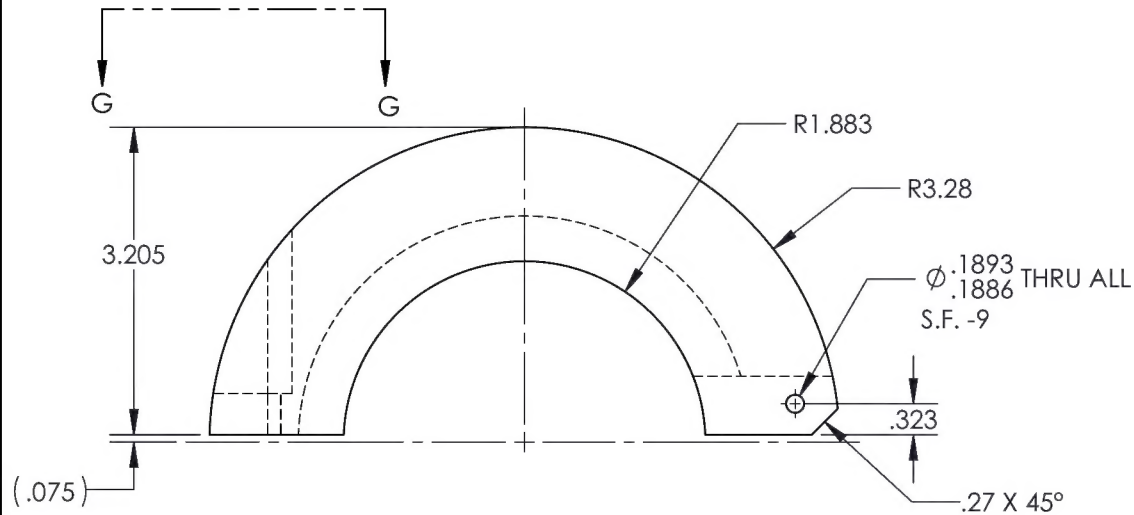


DETAIL B
SCALE 1 : 1.5

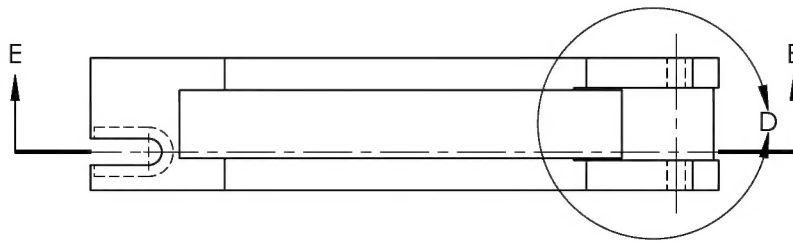
DART AEROSPACE	
TITLE GUARD	
DWG NO. RBE117-12010W67-1	REV 1
MAT'L 6061 HEAT TREAT FINISH CLEAR ANODIZE SPEC MIL-A-8625F, TYPE II, CLASS I	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MACKOVJAK	USED ON MODEL
CHECKED: CLOUGH	EC 145
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 2/22/2016
SHEET 2 OF 5	

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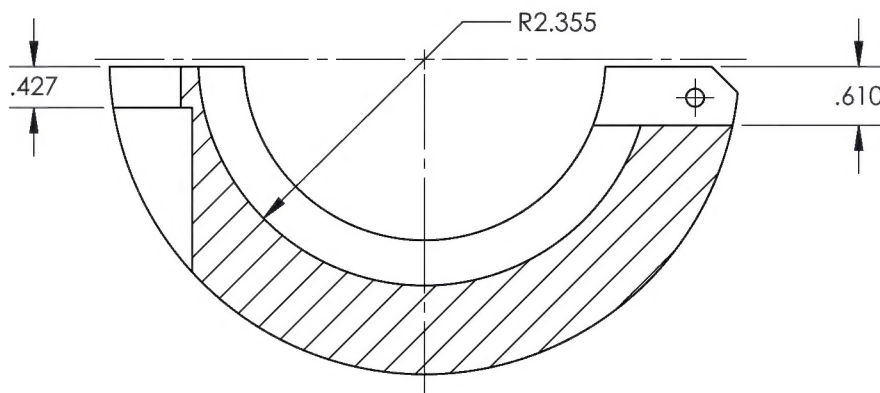
REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



VIEW G-G
SCALE 1 : 1.5



DETAIL D
SCALE 1 : 1.5



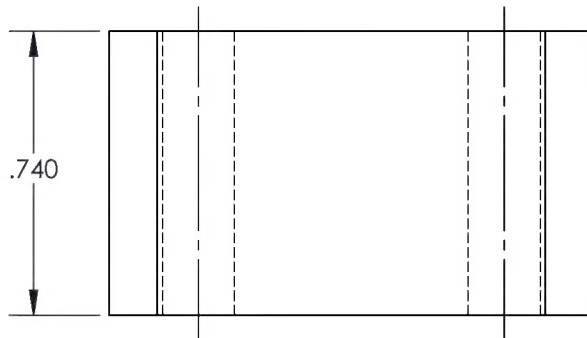
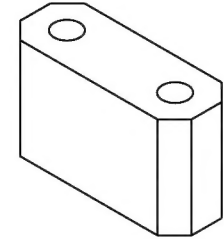
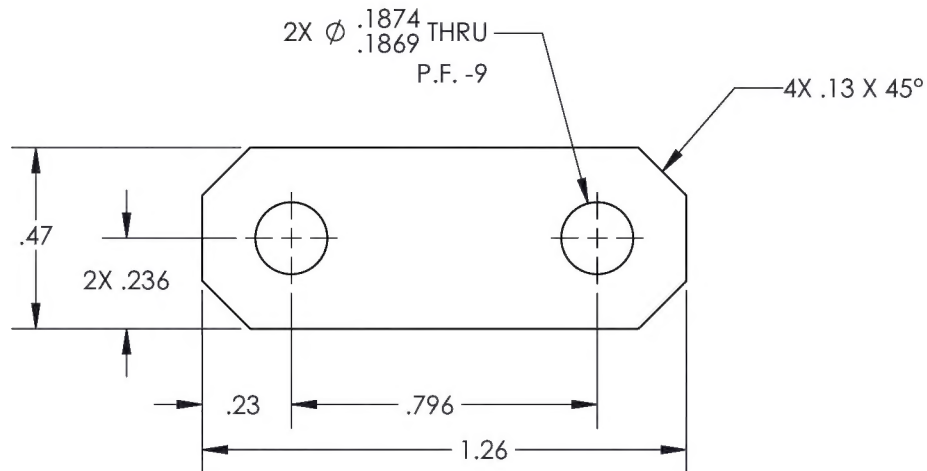
SECTION E-E

(-3)
RING 2

DART AEROSPACE	
TITLE GUARD	
DWG NO. RBE117-12010W67-3	REV 1
MAT'L 6061 HEAT TREAT FINISH CLEAR ANODIZE SPEC MIL-A-8625F, TYPE II, CLASS I	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: MACKOVJAK	USED ON MODEL
CHECKED: CLOUGH	EC 145
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 2/22/2016
SHEET 3 OF 5	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



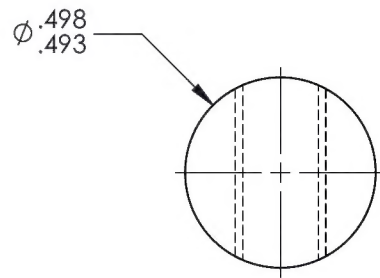
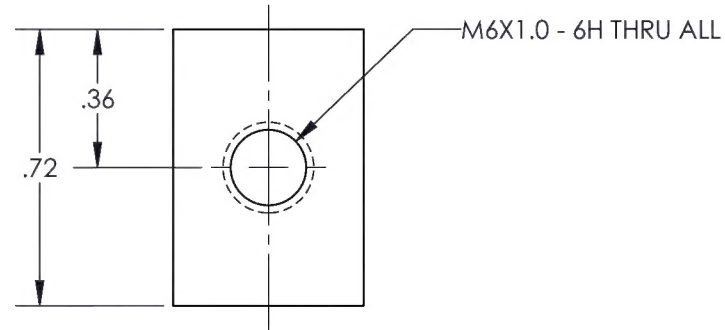
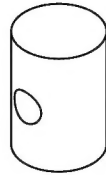
(-5)

RING LINK

DART AEROSPACE	
TITLE GUARD	
DWG NO. RBE117-12010W67-5	REV 1
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8
SPEC QMSI-6.2.2 REV D	.XX ± .01 ANGLES ± .5°
DRAWN BY: MACKOVJAK	.X ± .1 SURFACES = 125°
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 2/22/2016	USED ON MODEL
SHEET 4 OF 5	EC 145

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REV	ECR	DESCRIPTION	DATE
			INITIAL
			APPROVED



(-7)

THREADED PIVOT PIN

DART AEROSPACE	
TITLE GUARD	
DWG NO. RBE117-12010W67-7	REV 1
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8
SPEC QMSI-6.2.2 REV D	.XX ± .01 ANGLES ± 5°
DRAWN BY: MACKOVJAK	.X ± .1 SURFACES = 125°
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 2/23/2016	USED ON MODEL
	EC 145
	SHEET 5 OF 5